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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): ANDERSON et al.

Serial No.: 10/061,969

Filed: January 25, 2002

Title: Microarrays and Their Manufacture by
Slicing

Attorney Docket No.: 41550

Group Art Unit: 1641

Examiner: Christopher L. CHIN

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 AND 1.98

Sir:

Attached hereto are copies of Forms 1449 and Forms 892 that were submitted to or cited by the U.S. Patent and Trademark Office in Application No. 09/774,794, filed February 1, 2001; Application No. 09/772,974, filed January 31, 2001; Application No. 09/628,339, filed July 28, 2000; and Application No. 09/482,460, filed January 13, 2000, which relied upon for an earlier filing date under 35 U.S.C. 120. Thus, copies of these cited references are not attached since they are available in the parent files. 37 CFR 1.98(d).

It is respectfully requested that the cited information on the attached Forms 1449 and Forms 892 be expressly considered during the prosecution of this application, and that the references be made record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

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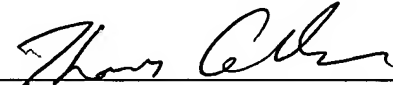
U.S. Patent Application No. 10/061,969
Attorney Docket No.: 41550

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is hereby authorized to charge payment of \$180.00 under 37 CFR 1.17(p) in connection with the instant application to Deposit Account No. 500933.

Date: 20 April 2005

Respectfully submitted,



Thomas Gallegos, Reg. No. 32,692
Sr. Director, Intellectual Property

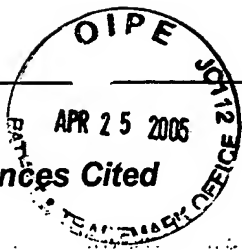
Large Scale Biology Corporation
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Vacaville, CA 95688
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Fax: (707) 446-3917

I hereby certify that this Correspondence is being deposited with the United States Postal service with sufficient postage for first class mail in an envelope address to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

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By: 

Thomas Gallegos, Reg. No. 32,692



Notice of References Cited

Application/Control No.

09/774,794

Applicant(s)/Patent Under
Reexamination
ANDERSON ET AL.

Examiner

Nelson Yang

Art Unit

1641

Page 1 of 1

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|---------------|----------------|
| | A | US-6,129,896 | 10-2000 | Noonan et al. | 422/82.05 |
| | B | US-6,037,186 | 03-2000 | Stimpson, Don | 436/518 |
| | C | US-6,534,270 | 03-2003 | Kim et al. | 435/6 |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
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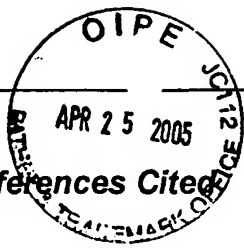
FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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1641

Page 1 of 1

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|-------------------------|----------------|
| | A | US-6,140,135 | 10-2000 | Landegren et al. | 436/518 |
| | B | US-6,366,726 | 04-2002 | Wach et al. | 385/115 |
| | C | US-4,459,360 | 07-1984 | Marinkovich, Vincent A. | 436/513 |
| | D | US-4,981,653 | 01-1991 | Marino, Rebecca A. | 422/56 |
| | E | US-6,210,910 | 04-2001 | Walt et al. | 435/7.32 |
| | F | US-6,174,424 | 01-2001 | Wach et al. | 205/73 |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
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FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAPP. DOCKET NO.
41039SERIAL NO.
09/774,794

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Anderson et al.

FILING DATE

1 February 2001

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
| | 4 9 8 1 6 5 3 | 01/31/91 | Marino | | | |
| | 6 1 4 0 1 3 5 | 10/31/00 | Landegren et al. | | | |
| | 4 4 5 9 3 6 0 | 07/10/84 | Marinkovich | | | |
| | 6 2 1 0 9 1 0 | 04/03/01 | Walt et al. | | | |
| | 4 7 0 8 9 3 1 | 11/24/87 | Christian | | | |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|-----------------|----------|---------|-------|----------|-----------------------|
| 9 5 3 5 5 0 5 | 12/28/95 | WO | | | |
| 8 7 0 3 9 6 5 | 07/02/87 | WO | | | |
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

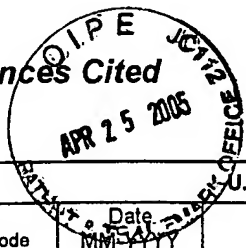
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Notice of References Cited



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Gary W. Counts

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1641

Page 1 of 1

U.S. PATENT DOCUMENTS

| * | | Document Number | Date | Name | Classification |
|---|---|-------------------------------|---------|-------------|----------------|
| | | Country Code-Number-Kind Code | MM-YYYY | | |
| | A | US-6187537 | 02-2001 | Zinn et al. | 435/6 |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
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FOREIGN PATENT DOCUMENTS

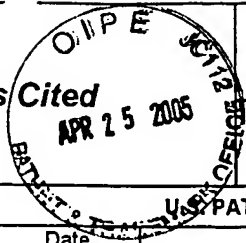
| * | | Document Number | Date | Country | Name | Classification |
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NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
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Reexamination
ANDERSON ET AL.

Examiner

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1641

Page 1 of 1

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|--------------|----------------|
| | A | US-6020026 | 02-2000 | Birch et al | 427/287 |
| | B | US-4264408 | 04-1981 | Benham et al | 156/629 |
| | C | US-5512131 | 04-1996 | Kumar et al | 156/655.1 |
| | D | US- | | | |
| | E | US- | | | |
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FOREIGN PATENT DOCUMENTS

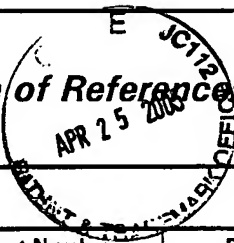
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Notice of References Cited



Application/Control No.
09/628,339

Applicant(s)/Patent Under Reexam
Anderson et al

Examiner
Chris Chin

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U.S. PATENT DOCUMENTS

| | Document Number Country Code-Number-Kind Code | Date MM-YYYY ¹ | Name | Classification ² | |
|---|--|------------------------------|----------|-----------------------------|-----|
| A | 6,037,186 | 3/14/00 | Stimpson | 436 | 518 |
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|--|--|--|---------------------------|--------------------------|
| Exam PTO 1449 APR 25 2003 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 40583 | SERIAL NO. 09/628,339 |
| | APPLICANT Norman G. ANDERSON | | | |
| | FILING DATE July 28, 2000 | | GROUP 1744 | |

| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
|-----------------------|-----------------|---|---|---|---|---|---|----------------|------------------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | 4 | 7 | 0 | 8 | 9 | 3 | 1 | 24 Nov 1987 | Christian | | | |
| | 6 | 2 | 1 | 0 | 9 | 1 | 0 | 3 Apr 2001 | Walt et al. | | | |
| | 6 | 1 | 4 | 0 | 1 | 3 | 5 | 31 Oct 2000 | Landegren et al. | | | |
| | 4 | 9 | 8 | 1 | 6 | 5 | 3 | 1 Jan 1991 | Marino | | | |
| | 4 | 4 | 5 | 9 | 3 | 6 | 0 | 10 Jul 1984 | Marinkovich | | | |
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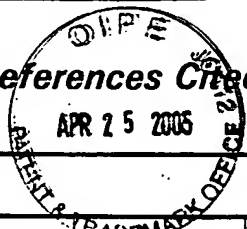
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| | 8 | 7 | 0 | 3 | 9 | 6 | 5 | 2 Jul 1987 | WIPO | | | |
| | 9 | 5 | 3 | 5 | 5 | 0 | 5 | 28 Dec 1995 | WIPO | | | |
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| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | |
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U.S. PATENT DOCUMENTS

| | | Document Number Country Code-Number-Kind Code | Date MM-YYYY ¹ | Name | Classification ² | |
|--|---|--|------------------------------|------------|-----------------------------|------|
| | A | 5,814,524 | 9/1998 | Walt et al | 436 | 518 |
| | B | 6,210,910 | 4/2001 | Walt et al | 435 | 7.32 |
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40583SERIAL NO.
09/628,339

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
Norman G. ANDERSONFILING DATE
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| INFORMATION DISCLOSURE CITATION (See several sheets if necessary) | | | | APPLICANT Norman G. ANDERSON | | | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | | |
| | 5 | 7 | 6 | 3 | 1 | 7 | 5 | 06/09/98 | Brenner | | | | |
| | 5 | 7 | 5 | 9 | 7 | 7 | 9 | 06/02/98 | Dehlinger | | | | |
| | 4 | 8 | 9 | 6 | 3 | 6 | 3 | 01/23/90 | Taylor et al. | | | | |
| | 5 | 7 | 5 | 1 | 6 | 2 | 9 | 05/12/98 | Nova et al. | | | | |
| | 5 | 8 | 7 | 4 | 2 | 1 | 4 | 02/23/99 | Nova et al. | | | | |
| | 5 | 9 | 2 | 5 | 5 | 6 | 2 | 07/20/99 | Nova et al. | | | | |
| | 5 | 9 | 6 | 1 | 9 | 2 | 3 | 10/05/99 | Nova et al. | | | | |
| | 6 | 0 | 2 | 5 | 1 | 2 | 9 | 02/15/00 | Nova et al. | | | | |
| | 5 | 2 | 7 | 3 | 6 | 5 | 6 | 12/28/93 | Anderson et al. | | | | |
| | 5 | 1 | 8 | 6 | 8 | 2 | 4 | 02/16/93 | Anderson | | | | |
| | 5 | 9 | 9 | 3 | 6 | 2 | 7 | 11/30/99 | Anderson et al. | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
| | DOCUMENT NUMBER | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | | | |
| | 9 | 7 | 4 | 1 | 0 | 9 | 3 | 11/06/97 | WO | | | YES | NO |
| | 9 | 6 | 4 | 0 | 9 | 8 | 7 | 12/19/96 | WO | | | | |
| | 9 | 6 | 4 | 0 | 2 | 0 | 4 | 12/19/96 | WO | | | | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
| | Arnold MA., "Enzyme-based fiber optic sensor." <i>Anal Chem</i> (1985) 57:565-566. | | | | | | | | | | | | |
| | Bronk et al., "Fabrication of patterned sensor arrays with arylazides on a polymer-coated imaging optical fiber bundle." <i>Anal Chem</i> (1994) 66:3519-3520. | | | | | | | | | | | | |
| EXAMINER | | | | | | | | | | DATE CONSIDERED | | | |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | | | | |

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|---------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| | 5 9 9 0 1 1 2 | 11/23/99 | Campbell et al. | | | |
| | 5 9 3 2 5 7 9 | 08/03/99 | Campbell et al. | | | |
| | 5 9 3 2 4 3 3 | 08/03/99 | Schatz | | | |
| | 5 9 2 2 5 4 5 | 07/13/99 | Dower et al. | | | |
| | 5 9 1 7 0 1 6 | 06/29/99 | Holmes | | | |
| | 5 8 8 0 0 9 6 | 03/09/99 | Barrett et al. | | | |
| | 5 8 1 1 2 3 8 | 09/22/98 | Stemmer et al. | | | |
| | 5 7 3 9 3 8 6 | 04/14/98 | Holmes | | | |
| | 5 7 2 8 8 0 2 | 03/17/98 | Barrett et al. | | | |
| | 5 7 2 3 5 8 4 | 03/03/98 | Schatz | | | |
| | 5 6 6 8 1 1 0 | 09/16/97 | Barrett et al. | | | |
| | 5 6 5 5 5 6 0 | 08/12/97 | Kedar et al. | | | |
| | 5 6 4 8 4 5 8 | 07/15/97 | Cwirla et al. | | | |
| | 5 6 2 4 7 1 1 | 04/29/97 | Fujimoto et al. | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
| 9 6 3 9 1 6 5 | 12/12/96 | WO | | | | |
| 9 6 3 3 7 3 6 | 10/31/96 | WO | | | | |
| 9 6 2 9 0 8 8 | 09/26/96 | WO | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

| |
|---|
| Gautler et al., "Fiber optic biosensor based on luminescence and immobilized enzymes: Microdetermination of sorbitol, ethanol and oxaloacetate." <i>J Biolum Chemilum</i> (1990) 5:57-63. |
| Walt et al., "Self regenerating fiber optic sensors." In <u>Direct Monitoring of Antigen-Antibody Interactions by Special Interferometry</u> . ACS Symposium Series (1995) 586:186-196. |

EXAMINER

DATE CONSIDERED

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
40583SERIAL NO.
09/628,339

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
Norman G. ANDERSONFILING DATE
July 28, 2000GROUP
1744

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|----------------|-------|----------|-------------------------------|
| | 5 6 2 2 9 4 4 | 04/22/97 | Hale et al. | | | |
| | 5 6 0 7 6 9 1 | 03/04/97 | Hale et al. | | | |
| | 5 5 7 1 6 3 9 | 11/05/96 | Hubbell et al. | | | |
| | 5 5 2 7 6 8 1 | 06/18/96 | Holmes | | | |
| | 5 4 9 1 0 7 4 | 02/13/96 | Aldwin et al. | | | |
| | 5 4 8 2 8 6 7 | 01/09/96 | Barrett et al. | | | |
| | 5 4 5 1 6 8 3 | 09/19/95 | Barrett et al. | | | |
| | 5 4 2 4 1 8 6 | 06/13/95 | Fodor et al. | | | |
| | 5 4 3 2 0 1 8 | 07/11/95 | Barrett et al. | | | |
| | 5 4 2 0 3 2 8 | 05/30/95 | Campbell | | | |
| | 5 3 6 2 8 9 9 | 11/08/94 | Campbell | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
| 7 2 8 5 2 0 | 08/28/96 | EP | | | | |
| 9 6 2 3 8 1 3 | 08/08/96 | WO | | | | |
| 7 2 1 0 1 6 | 07/10/96 | EP | | | | |
| 7 1 7 1 1 3 | 06/19/96 | EP | | | | |
| 9 6 1 6 3 3 3 | 05/30/96 | WO | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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|--|---|
| | Ferguson et al., "A fiber-optic DNA biosensor microarray for the analysis of gene expression." Nat Biotech (1996) 14:1681-1684. |
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| | | | | FILING DATE July 28, 2000 | | GROUP 1744 | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | |
| | | 5 | 3 | 3 | 8 | 6 | 6 | 5 | 08/16/94 | Schatz et al. | | | |
| | | 5 | 3 | 2 | 4 | 6 | 3 | 3 | 06/28/94 | Fodor et al. | | | |
| | | 5 | 3 | 0 | 2 | 7 | 0 | 7 | 04/12/94 | Campbell et al. | | | |
| | | 5 | 2 | 6 | 4 | 5 | 6 | 5 | 11/23/93 | Barrett et al. | | | |
| | | 5 | 2 | 5 | 2 | 7 | 4 | 3 | 10/12/93 | Barrett et al. | | | |
| | | 5 | 8 | 5 | 6 | 1 | 0 | 1 | 01/05/99 | Hubbell et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | |
| | | | | | | | | | | YES | NO | | |
| | | 9 | 6 | 0 | 0 | 3 | 9 | 1 | 01/04/96 | WO | | | |
| | | 9 | 6 | 0 | 0 | 3 | 7 | 8 | 01/04/96 | WO | | | |
| | | 9 | 6 | 0 | 0 | 1 | 4 | 8 | 01/04/96 | WO | | | |
| | | 9 | 5 | 3 | 5 | 2 | 7 | 8 | 12/28/95 | WO | | | |
| | | 9 | 5 | 3 | 3 | 8 | 4 | 6 | 12/14/95 | WO | | | |
| | | 9 | 5 | 3 | 1 | 2 | 1 | 0 | 11/23/95 | WO | | | |
| | | 9 | 5 | 2 | 2 | 6 | 2 | 5 | 08/24/95 | WO | | | |
| | | 9 | 5 | 2 | 2 | 0 | 5 | 8 | 08/17/95 | WO | | | |
| | | 9 | 5 | 2 | 0 | 9 | 7 | 3 | 08/10/95 | WO | | | |
| | | 9 | 5 | 1 | 8 | 9 | 7 | 1 | 07/13/95 | WO | | | |
| | | 9 | 5 | 1 | 2 | 6 | 0 | 8 | 05/11/95 | WO | | | |
| | | 9 | 5 | 1 | 1 | 9 | 9 | 5 | 05/04/95 | WO | | | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| EXAMINER | | | | | | | | DATE CONSIDERED | | | | | |
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|--|--|--|---|---------------------------------|---|--------------------------|---|------|----------|-----------------|----------|-------------------------------|--|
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| | | | | FILING DATE July 28, 2000 | | GROUP 1744 | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | | 5 | 8 | 4 | 3 | 6 | 5 | 5 | 12/01/98 | McGall | | | |
| | | 5 | 7 | 7 | 0 | 4 | 5 | 6 | 06/23/98 | Holmes | | | |
| | | 5 | 7 | 4 | 4 | 3 | 0 | 5 | 04/28/98 | Fodor et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | |
| | | 9 | 5 | 1 | 1 | 9 | 8 | 8 | 05/04/95 | WO | | | |
| | | 9 | 5 | 1 | 1 | 9 | 2 | 2 | 05/04/95 | WO | | | |
| | | 9 | 5 | 0 | 4 | 0 | 6 | 9 | 02/09/95 | WO | | | |
| | | 9 | 5 | 0 | 0 | 5 | 3 | 0 | 01/05/95 | WO | | | |
| | | 9 | 4 | 2 | 8 | 1 | 7 | 3 | 12/08/94 | WO | | | |
| | | 9 | 4 | 2 | 5 | 0 | 4 | 3 | 11/10/94 | WO | | | |
| | | 9 | 4 | 1 | 8 | 3 | 4 | 5 | 08/18/94 | WO | | | |
| | | 9 | 4 | 1 | 7 | 7 | 9 | 2 | 08/18/94 | WO | | | |
| | | 9 | 4 | 1 | 0 | 1 | 2 | 8 | 05/11/94 | WO | | | |
| | | 9 | 4 | 0 | 6 | 8 | 0 | 8 | 03/31/94 | WO | | | |
| | | 9 | 3 | 2 | 5 | 1 | 9 | 7 | 12/23/93 | WO | | | |
| | | 9 | 3 | 2 | 2 | 6 | 8 | 4 | 11/11/93 | WO | | | |
| | | 9 | 3 | 2 | 2 | 6 | 8 | 0 | 11/11/93 | WO | | | |
| | | 9 | 3 | 1 | 0 | 1 | 6 | 1 | 05/27/93 | WO | | | |
| | | 9 | 3 | 0 | 9 | 6 | 6 | 8 | 05/27/93 | WO | | | |
| | | 9 | 3 | 0 | 8 | 2 | 7 | 8 | 04/29/93 | WO | | | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | |
| | | 5 | 7 | 3 | 3 | 7 | 2 | 9 | 03/31/98 | Lipshutz et al. | | | |
| | | 5 | 5 | 9 | 3 | 8 | 3 | 9 | 01/14/97 | Hubbell et al. | | | |
| | | 5 | 5 | 8 | 5 | 6 | 4 | 6 | 12/17/96 | Kossovsky et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | | | |
| | | 9 | 3 | 0 | 6 | 1 | 2 | 1 | 04/01/93 | WO | | | |
| | | 9 | 2 | 1 | 0 | 5 | 8 | 8 | 06/25/92 | WO | | | |
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| | | 9 | 2 | 1 | 0 | 0 | 9 | 2 | 06/25/92 | WO | | | |
| | | 9 | 1 | 1 | 9 | 8 | 1 | 8 | 12/26/91 | WO | | | |
| | | 9 | 1 | 1 | 7 | 2 | 7 | 1 | 11/14/91 | WO | | | |
| | | 9 | 1 | 0 | 7 | 0 | 8 | 7 | 05/30/91 | WO | | | |
| | | 9 | 0 | 1 | 5 | 0 | 7 | 0 | 12/13/90 | WO | | | |
| | | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 03/02/00 | WO | | | |
| | | 0 | 0 | 0 | 6 | 7 | 7 | 1 | 02/10/00 | WO | | | |
| | | 9 | 6 | 7 | 2 | 1 | 7 | | 12/29/99 | EP | | | |
| | | 9 | 5 | 5 | 3 | 8 | 2 | | 11/10/99 | EP | | | |
| | | 9 | 5 | 5 | 0 | 8 | 5 | | 11/10/99 | EP | | | |
| | | 9 | 9 | 6 | 3 | 1 | 1 | 3 | 12/09/99 | WO | | | |
| | | 9 | 9 | 5 | 4 | 5 | 0 | 9 | 10/28/99 | WO | | | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
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09/628,339

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1744

U.S. PATENT DOCUMENTS

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|---------------------|-----------------|----------|---------|-------|----------|-------------------------------|
| | 4 6 2 3 3 5 5 | 11/18/86 | Sawruk | | | |
| | 4 2 3 8 7 5 7 | 12/09/80 | Schenck | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
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| 9 9 0 9 2 1 8 | 02/25/99 | WO | | | |
| 9 9 0 5 5 9 1 | 02/04/99 | WO | | | |
| 9 9 0 5 5 7 4 | 02/04/99 | WO | | | |
| 9 9 0 5 3 2 4 | 02/04/99 | WO | | | |
| 9 9 0 5 3 2 3 | 02/04/99 | WO | | | |
| 9 9 0 2 6 8 2 | 01/21/99 | WO | | | |
| 9 8 5 9 0 7 2 | 12/30/98 | WO | | | |
| 9 8 5 6 9 5 4 | 12/17/98 | WO | | | |
| 9 8 5 8 5 2 9 | 12/30/98 | WO | | | |
| 9 8 3 9 3 4 8 | 09/11/98 | WO | | | |
| 9 8 4 4 1 0 0 | 10/08/98 | WO | | | |
| 9 8 4 1 6 5 7 | 09/24/98 | WO | | | |
| 9 8 3 8 8 4 6 | 09/11/98 | WO | | | |
| 9 8 3 0 8 8 3 | 07/16/98 | WO | | | |
| 9 8 2 7 4 3 0 | 06/25/98 | WO | | | |
| 9 8 2 4 7 9 6 | 06/11/98 | WO | | | |

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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | 9 8 2 0 9 6 7 | 05/22/98 | WO | | | |
| | | 8 4 8 0 6 7 | 06/17/98 | EP | | | |
| | | 9 8 1 8 9 6 7 | 05/07/98 | WO | | | |
| | | 9 8 1 2 3 5 4 | 03/26/98 | WO | | | |
| | | 8 1 2 9 2 2 | 12/17/97 | EP | | | |
| | | 9 7 4 3 6 1 1 | 11/20/97 | WO | | | |
| | | 9 7 4 3 4 5 0 | 11/20/97 | WO | | | |
| | | 9 7 3 9 1 5 1 | 10/23/97 | WO | | | |
| | | 7 9 9 8 9 7 | 10/08/97 | EP | | | |
| | | 9 7 2 9 2 1 2 | 08/14/97 | WO | | | |
| | | 9 7 2 7 3 1 7 | 07/31/97 | WO | | | |
| | | 7 8 5 2 8 0 | 07/23/97 | EP | | | |
| | | 9 7 1 0 3 6 5 | 03/20/97 | WO | | | |
| | | 9 7 0 2 3 5 7 | 01/23/97 | WO | | | |
| | | 7 2 8 5 2 0 | 08/28/96 | EP | | | |
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|---------------------|-----------------|----------|--------------|-------|----------|-------------------------------|
| | 5 9 4 5 5 2 2 | 08/31/99 | Cohen et al. | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | 7 2 1 0 1 6 | 07/10/96 | EP | | | | |
| | 9 5 2 5 1 7 7 | 09/21/95 | WO | | | | |
| | 0 0 0 4 3 7 2 | 01/27/00 | WO | | | | |
| | 0 0 0 0 8 0 8 | 01/06/00 | WO | | | | |
| | 9 9 6 4 6 2 6 | 12/16/99 | WO | | | | |
| | 9 9 5 4 7 1 8 | 10/28/99 | WO | | | | |
| | 9 9 3 2 6 6 2 | 07/01/99 | WO | | | | |
| | 9 2 6 2 6 0 | 06/30/99 | EP | | | | |
| | 9 9 0 4 4 4 0 | 01/28/99 | WO | | | | |
| | 9 8 2 9 5 3 5 | 07/09/98 | WO | | | | |
| | 9 7 4 9 8 4 5 | 12/31/97 | WO | | | | |
| | 9 1 3 5 0 7 | 01/22/98 | EP | | | | |
| | 7 0 8 4 8 3 | 04/24/96 | EP | | | | |

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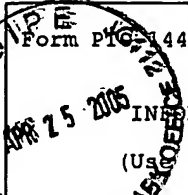
| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | | | | | | | | YES | NO |
| | | 6 | 2 | 5 | 6 | 7 | 5 | 3 | 09/13/94 | JP | | | | |
| | | 6 | 0 | 8 | 5 | 2 | 4 | 0 | 03/25/94 | JP | | | | |
| | | 9 | 3 | 1 | 1 | 5 | 6 | 5 | 06/10/93 | WO | | | | |
| | | 5 | 1 | 0 | 9 | 7 | 2 | 2 | 04/30/93 | JP | | | | |
| | | 1 | 2 | 1 | 3 | 6 | 6 | 2 | 08/28/89 | JP | | | | |
| | | 8 | 8 | 0 | 8 | 8 | 7 | 5 | 11/17/88 | WO | | | | |
| | 6 | 3 | 1 | 7 | 2 | 4 | 5 | 4 | 07/16/88 | JP | | | | |
| | | 2 | 7 | 4 | 8 | 2 | 4 | | 07/20/88 | EP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 5 | 01/18/88 | JP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 4 | 01/18/88 | JP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 3 | 01/18/88 | JP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 2 | 01/18/88 | JP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 1 | 01/18/88 | JP | | | | |
| | 6 | 3 | 0 | 1 | 0 | 5 | 6 | 0 | 01/18/88 | JP | | | | |
| | | 8 | 3 | 0 | 2 | 6 | 6 | 9 | 08/04/83 | WO | | | | |
| | | 9 | 9 | 2 | 7 | 1 | 0 | 5 | 06/03/99 | WO | | | | |

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|---------------------|-----------------|----------|---------------|-------|----------|-------------------------------|
| | 5 5 8 5 2 7 5 | 12/17/96 | Hudson et al. | | | |
| | 5 6 9 0 8 9 4 | 11/25/97 | Pinkel et al. | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | YES | NO |
| | 9 8 5 3 8 4 1 | 12/03/98 | WO | | | | |
| | 9 9 1 6 1 0 3 | 04/01/98 | WO | | | | |
| | 9 8 5 9 3 6 2 | 12/30/98 | WO | | | | |
| | 9 8 5 9 3 6 1 | 12/30/98 | WO | | | | |
| | 9 8 5 9 3 6 0 | 12/30/98 | WO | | | | |
| | 9 6 3 6 7 3 2 | 11/21/96 | WO | | | | |
| | 9 6 1 1 7 4 | 12/01/99 | EP | | | | |
| | 7 2 8 5 2 0 | 08/28/96 | WO | | | | |

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|---------------------|-----------------|----------|--------------------|-------|----------|-------------------------------|
| | 5 8 1 7 7 5 1 | 10/06/98 | Szardenings et al. | | | |
| | 5 7 8 6 3 3 1 | 07/28/98 | Barrett et al. | | | |

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| | 1 9 8 2 3 4 5 4 | 11/25/99 | DE | | | | |
| | 9 9 3 7 6 5 9 | 07/20/99 | WO | | | | |
| | 9 9 2 8 4 7 5 | 06/10/99 | WO | | | | |
| | 9 9 6 5 9 4 5 | 12/23/99 | WO | | | | |
| | 9 9 5 1 7 7 8 | 10/14/99 | WO | | | | |
| | 9 9 5 1 7 3 3 | 10/14/99 | WO | | | | |
| | 9 9 0 6 8 3 3 | 02/11/99 | WO | | | | |
| | 9 8 4 6 5 5 1 | 10/22/98 | WO | | | | |
| | 9 8 1 2 5 5 9 | 03/26/98 | WO | | | | |
| | 9 6 0 5 2 1 4 | 02/22/96 | WO | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
40583SERIAL NO.
09/628,339

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
Norman G. ANDERSONFILING DATE
July 28, 2000GROUP
1744

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|-----------------|-------|----------|-------------------------------|
| | 5 7 6 7 2 3 4 | 06/16/98 | Yanofsky et al. | | | |
| | 5 6 7 7 1 9 5 | 10/14/97 | Winkler et al. | | | |
| | 5 6 5 4 2 7 6 | 08/05/97 | Barrett et al. | | | |
| | 6 0 2 2 9 6 3 | 02/08/00 | McGall et al. | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|-----------------|----------|---------|-------|----------|-----------------------|
| 2 2 6 2 1 6 3 | 06/09/93 | GB | | | |
| 9 9 1 8 4 3 4 | 04/15/99 | WO | | | |
| 9 9 4 5 3 5 7 | 09/10/99 | WO | | | |
| 9 7 2 0 0 7 8 | 06/05/97 | WO | | | |
| 9 6 4 0 7 3 8 | 12/19/96 | WO | | | |
| 9 6 4 0 7 4 9 | 12/19/96 | WO | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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| U.S. PATENT DOCUMENTS | | | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | |
| | 6 0 2 7 8 9 4 | 02/15/00 | Trulson et al. | | | | | | |
| | 6 0 2 7 8 8 0 | 02/22/00 | Sapolsky et al. | | | | | | |
| | 6 0 1 3 4 4 0 | 01/11/00 | Lipshutz et al. | | | | | | |
| | 5 9 7 4 1 6 4 | 10/26/99 | Chee | | | | | | |
| | 5 9 6 8 7 4 0 | 10/19/99 | Fodor et al. | | | | | | |
| | 5 9 4 5 3 3 4 | 08/31/99 | Besemer et al. | | | | | | |
| | 5 8 7 4 2 1 9 | 02/23/99 | Rava et al. | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
|--------------------------|----------|---------|-------|----------|-------------|--|--|--|--|
| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | | |
| 9 6 1 1 7 4 | 12/01/99 | EP | | | YES NO | | | | |
| 9 9 5 0 4 5 6 | 10/07/99 | WO | | | | | | | |
| 9 5 0 7 2 0 | 10/20/99 | EP | | | | | | | |
| 9 9 3 5 2 5 6 | 07/15/99 | WO | | | | | | | |
| 9 9 4 5 0 2 1 | 09/10/99 | WO | | | | | | | |
| 9 9 4 0 1 0 5 | 08/12/99 | WO | | | | | | | |
| 9 5 3 2 1 0 | 08/11/99 | EP | | | | | | | |
| 9 9 3 9 0 0 4 | 08/05/99 | WO | | | | | | | |

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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 5 | 8 | 3 | 4 | 7 | 5 | 8 | 11/10/98 | Trulson et al. | | | |
| | | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 01/20/98 | Sapolsky et al. | | | |
| | | 5 | 5 | 7 | 8 | 8 | 3 | 2 | 11/26/96 | Trulson et al. | | | |
| | | 5 | 4 | 9 | 8 | 5 | 3 | 0 | 03/12/96 | Schatz et al. | | | |
| | | 5 | 5 | 4 | 5 | 5 | 3 | 1 | 08/13/96 | Rava et al. | | | |
| | | 5 | 6 | 3 | 5 | 5 | 9 | 7 | 08/03/97 | Barrett et al. | | | |
| | | 5 | 8 | 8 | 5 | 8 | 3 | 7 | 03/23/99 | Winkler et al. | | | |
| | | 6 | 0 | 6 | 0 | 2 | 8 | 8 | 5/9/00 | Adams, et al. | | | |
| | | 5 | 5 | 4 | 0 | 8 | 2 | 8 | 7/30/96 | Yacynych | | | |

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| | | 0 | 0 | 4 | 0 | 9 | 4 | 2 | 7/13/00 | WO | | | | | |

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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 39738 | | SERIAL NO. 09/482,460 | | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Norman G. ANDERSON et al. | | GROUP 1643 | | |
| | | | | FILING DATE January 13, 2000 | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | | DATE | NAME | CLASS | SUBCLASS | |
| u | | 6 | 0 | 6 | 0 | 2 | 8 | 8 |
| | | | | 5/9/00 | Adams, et al. | | | |
| u | | 5 | 5 | 4 | 0 | 8 | 2 | 8 |
| | | | | 7/30/96 | Yacynych | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | DOCUMENT NUMBER | | DATE | COUNTRY | CLASS | SUBCLASS | |
| | | 0 | 0 | 4 | 0 | 9 | 4 | 2 |
| | | | | 7/13/00 | WO | | | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| u | | Arnold MA., "Enzyme-based fiber optic sensor." Anal Chem (1985) 57:565-566. | | | | | | |
| | | Bronk et al., "Fabrication of patterned sensor arrays with arylazides on a polymer-coated imaging optical fiber bundle." Anal Chem (1994) 66:3519-3520. | | | | | | |
| | | Gautler et al., "Fiber optic biosensor based on luminescence and immobilized enzymes: Microdetermination of sorbitol, ethanol and oxaloacetate." J Biol Chem (1990) 5:57-63. | | | | | | |
| | | Walt et al., "Self regenerating fiber optic sensors." In Direct Monitoring of Antigen-Antibody Interactions by Special Interferometry. ACS Symposium Series (1995) 586:186-196. | | | | | | |
| u | | Ferguson et al., "A fiber-optic DNA biosensor microarray for the analysis of gene expression." Nat Biotech (1996) 14:1681-1684. | | | | | | |
| EXAMINER <i>e. Chin</i> | | | | | | DATE CONSIDERED 12/7/03 | | |
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